BRUHAT BANGALORE MAHANAGARAPALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISION

NAME OF THE WORK:-Detailed Estimate for the work of Improvements To Asphalting Roads and Drains at Coffee Board Layout Main Roads in Ward No.7, Byatarayanapura,Kodigehalli Sub Division.

Estimate Cost :- 8.50 Lakhs

Work Code No :- 007-12-000028

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work : Improvements and Asphalting Roads and Drains at Coffee Board Layout Main Roads, in Ward No. 7- Byatarayanapura, Kodigehalli Sub Division.

Estimate Cost : Rs. 8.50 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRRB 300-1 : Earthwork excavation by manual means in **Ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. **(Page No. 126 & Item No. 19.1)**	Cum							
	Desilting of Drains		2	330.00	0.50	0.30	99.00		
							99.00	**56.16**	**5559.84**
	Basic Rate	52.00							
	Area Weightage @ 8%	4.16							
	Total	56.16							
2	KSRB 2-1.1 : Earthwork in surface in Oridnary Soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines **and cables)** and removing the excavated stuff to a distance not exceeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) /2.3.1 **(Page No. 5 & Item No. 2.1)**								
	Berm Cutting		2	330.00	0.90	0.10	59.40		
	Drain for Missing Slabs Qty. Portion		1	9.00	0.80	0.25	1.80		
							61.20	**108.00**	**6609.60**
	Basic Rate	100.00							
	Area Weightage @ 8%	8.00							
	Total	108.00							
3	KSRRB M400-17 : Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the mtareial with water at OMC in mechanical mix plant carriage of mixed mehtod of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. (Page No. 143 & 20.18)								
	Pipe Line and Sanitary Road Cutting		4	6.00	0.40	0.15	1.44		
	Pot Holes		4	1.50	0.90	0.10	0.54		
			7	2.00	1.20	0.10	1.68		
			2	0.60	0.60	0.12	0.09		
	Asphalt Road Edges Portion		2	330.00	0.30	0.15	29.70		
							33.45	**1061.64**	**35508.04**
	Basic Rate	983.00							
	Area Weightage @ 8%	78.64							
	Total	1061.64							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5 cms thick. (Page No. 24 & 5.31)	**Sqm**							
	Drain for Missing Slabs Qty. Portion		1	9.00	1.65		14.85		
							14.85	**305.42**	**4535.55**

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Basic Rate	282.00							
	Add Diffrence in cost of cement 0.02x40.00=	0.80							
		282.80							
	Area Weightage @ 8%	22.62							
	Total	305.42							
5	KSRRB 500-2 : Cleaning the existing black topped **surface with brooms,** soft b**rushes** and finally dusting with old gunny bags and / or compressed air to received bituminous treatment iincluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. **(Page No. 148 & Item No. 21.2).**	**Sqm**							
			1	330.00	6.80		2244.00		
			1	225.00	6.50		1462.50		
							3706.50	**2.27**	**8406.34**
	Basic Rate	2.10							
	Area Weightage @ 8%	0.17							
	Total	2.27							
6	KSRRB 500-7: providing and applying **primar coat** on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding clearing of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, **No. 149/ Item No. 21.7/ PWD SR 2010-11**	**Sqm**							
			1	330.00	6.80		2244.00		
			1	225.00	6.50		1462.50		
							3706.50	**24.62**	**91268.86**
	Basic Rate	22.80							
	Area Weightage @ 8%	1.82							
	Total	24.62							
7	KSRRB M500-18 : Providing and laying semi dense bituminous concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. with 80/100 grade bitumen using 40-60 HMP using mechanical paver. **(P - 151 & I - 21.20.5)**	**Cum**							
			1	330.00	6.80	0.025	56.10		
			1	225.00	6.50	0.025	36.56		
							92.66	**7379.38**	**683791.87**
	Basic Rate	6832.76							
	Area Weightage @ 8%	546.62							
	Total	7379.38							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
8	ad for disposal of debris shall be payable at Carriage rates by mechanical means with all lead and lift, loading, undloading and labour charges etc.,complete and as per the directions of the Engineer-in-charge of the work.	Cum							
	Average weight of erth 1.28 Ton/Cum	Mtone	(Qty. vide Item No. 1 & 2)				160.20	82.68	13245.34
	Basic Rate Lead Charges upto 8.00 Kms								
	8x1.28x2=	20.48					Lead	not	approved.
	loading and unloading	62.2							
		82.68							
9	Miscellaneous & Unforeseen Charges								1074.57
	(Rupees : Eight Lakhs Fifty Thousand Only)								850000.00

CERTIFICATE

1 Certified that I have personally inspected the area and prepared the estimate.
2 Certified that the work proposed in this estimate is not including in any other scheme.
3 Certified that the estimate is prepared as per 2011-12 SR of PWD.
4 This works is not split up.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
~~Byatarayanapura Division~~

Administrative approval for Rs 8.50 lakhs
Rs- Eight lakhs Fifty
Thousand only
is accorded under head.. P-2201
M.L.A Grants
registered as EE No:.232../.25/07/11 Subject
to conditions contained enclosed memo.
No:.232/11-12/.....Dr.25/07/11

AE/JE

EE (BTP. Div.) 25/7

Technical Sanction for Rs 8.50 lakhs
Rs- Eight lakhs Fifty
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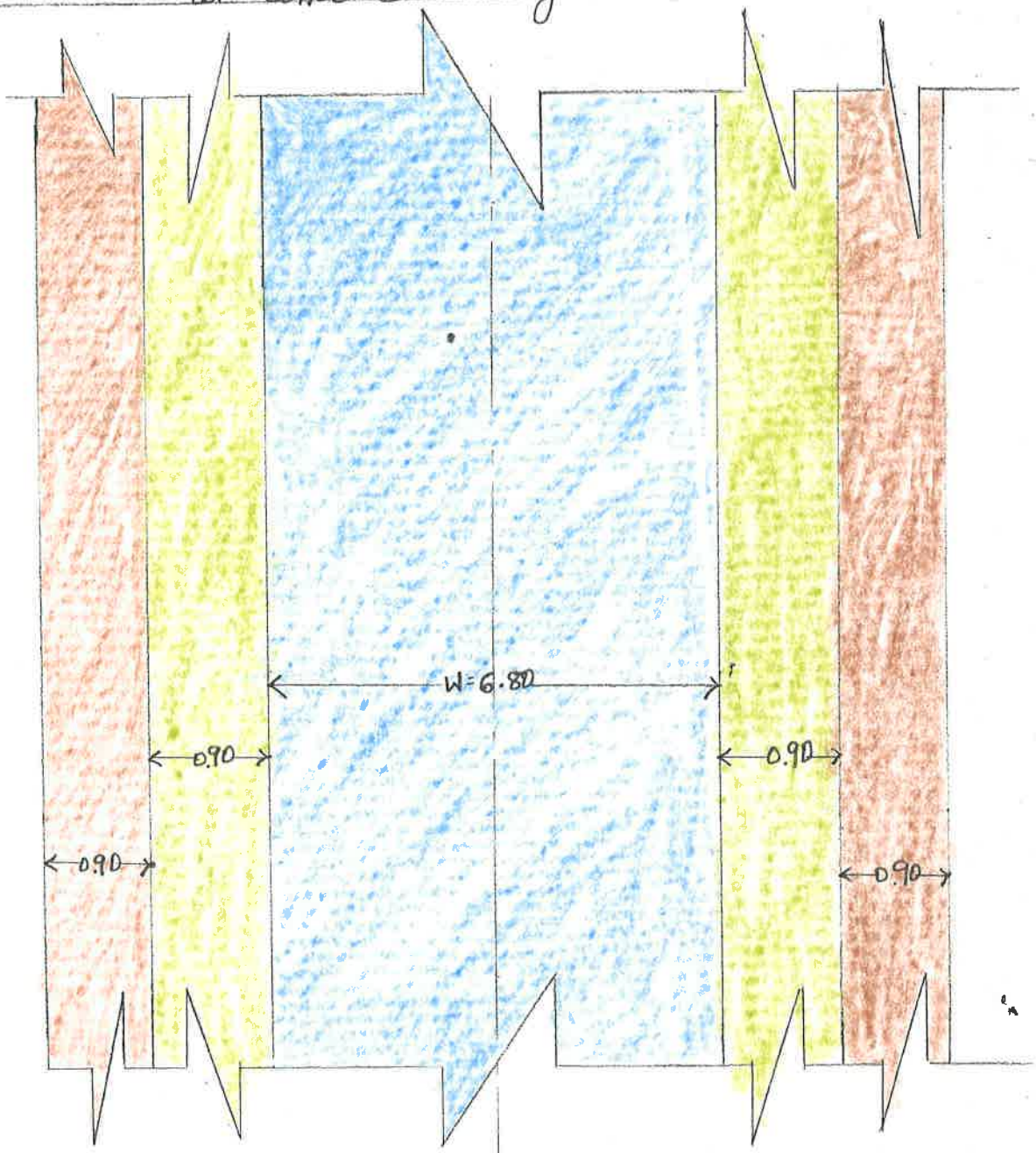
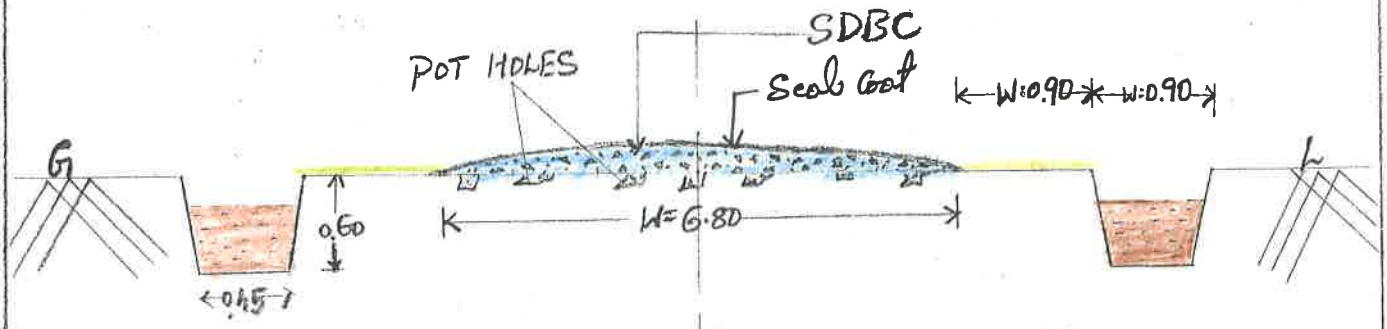
AE/JE

EE (BTP. Div.) 25/7

NAME OF WORK :- The work of Improvements and Asphalting Roads and Drains at Coffee Board layout main Road in Ward no-7



LONGUTUDINAL SECTION



CROSS SECTION

AE